

IN THE CLAIMS:

Claims 1 through 18 are canceled. New claims 19 through 37 are added. All pending claims and their present status are produced below.

Claims 1 through 18: (Canceled).

1 19. (New) A loop antenna system configured for use in an computer control device
2 communicatively coupled with a computing device, the loop antenna system
3 comprising:
4 a first antenna member configured on a printed circuit board, the first antenna
5 member comprising a first conducting element on the printed circuit board;
6 and
7 a second antenna member comprising a second conducting element coupled with the
8 first antenna member, the second antenna member including at least one turn
9 in a geometric plane of a spatial Cartesian coordinate system distinct from a
10 geometric plane of the spatial Cartesian coordinate system of at least one turn
11 of the first antenna member,
12 wherein the first antenna member and the second antenna member comprise an
13 antenna loop for transmission of radio frequency signals relating to activity of
14 the computer pointing device in relation to the computing device,
15 at least one of the first antenna member and the second antenna member
16 communicatively coupled with a radio frequency circuit integrated with the
17 printed circuit board to receive the radio frequency signal,
18 the antenna loop and the printed circuit board enclosed within a housing of the
19 computer pointing device.

- 1 20. (New) The loop antenna system of claim 19, wherein the first conducting element is
2 positioned along perimeter edge of the printed circuit board.
- 1 21. (New) The loop antenna system of claim 20, wherein the first conducting element
2 comprises a metallic trace.
- 1 22. (New) The loop antenna system of claim 19, wherein the second conducting element
2 comprises an antenna wire.
- 1 23. (New) The loop antenna system of claim 19, wherein a portion of the second
2 conducting element is structured on a second printed circuit board.
- 1 24. (New) The loop antenna system of claim 23, wherein the second conducting element
2 comprises a metallic trace.
- 1 25. (New) The loop antenna system of claim 19, wherein the radio frequency signal for
2 transmission through the antenna loop operates at a frequency in a 27 Mhz range.
- 1 26. (New) The loop antenna system of claim 19, wherein a portion of the second antenna
2 member of the antenna loop is oriented to lay in a plane substantially parallel to the
3 circuit board.
- 1 27. (New) The loop antenna system of claim 19, wherein at least one of the first antenna
2 member and the second antenna member comprises a plurality of turns.
- 1 28. (New) The loop antenna system of claim 19, wherein the computer control device
2 comprises one from a group consisting of a wireless mouse, a wireless trackball, a
3 wireless gaming device, and a wireless touch pad.

1 29. (New) An antenna system for use in a computer control device communicatively
2 coupled with a computing device, the antenna system comprising:
3 a first means for use in conduction of a radio frequency signal; and
4 a second means for use in conduction of the radio frequency signal, the first means
5 structured in a geometric plane of a spatial Cartesian coordinate system
6 distinct from the second means, the first means and the second means
7 structured in a loop configuration,
8 wherein one of the first means and the second means couples a radio frequency
9 transmitter that generates the radio frequency signal, the radio frequency
10 signal relating to activity of the computer control device in relation to the
11 computing device, the loop configuration enclosed within a housing of the
12 computer control device.

1 30. (New) The antenna system of claim 29, wherein the first means comprises one from
2 a group consisting of a metallic trace and an antenna wire.

1 31. (New) The antenna system of claim 29, wherein the second means comprises an
2 antenna wire.

1 32. (New) The antenna system of claim 31, wherein the antenna wire comprises at least
2 one turn.

1 33. (New) The antenna system of claim 29, wherein at least a portion of the second
2 means comprises a metallic trace on a second printed circuit board.

- 1 34. (New) The antenna system of claim 29, wherein the first means and second means
2 comprise an antenna wire including at least one turn.
- 1 35. (New) The antenna system of claim 29, wherein the geometric plane of the first
2 means is parallel to at least a portion of the geometric plane of the second means.
- 1 36. (New) The antenna system of claim 29, wherein the antenna system is configured to
2 transmit the radio frequency signal at a frequency in a 27 Mhz range.
- 1 37. (New) The antenna system of claim 29, wherein the computer control device
2 comprises one from a group consisting of a wireless mouse, a wireless trackball, a
3 wireless gaming device, and a wireless touch pad.